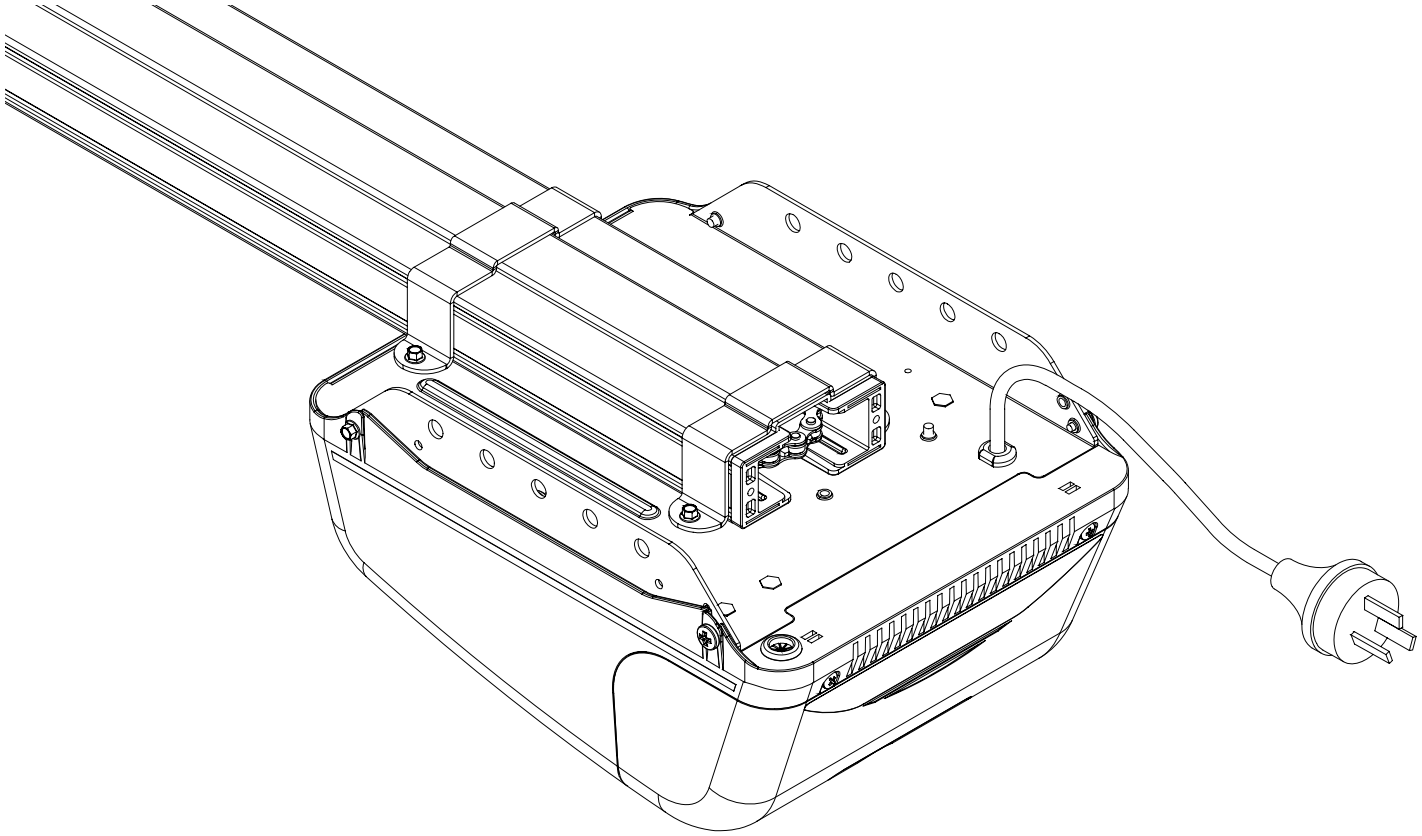
# GDO-9v2 SecuraLift®

## Overhead Garage Door Opener



Featuring **TrioCode™** Technology

automatic
TECHNOLOGY

smart | simple | secure

Part # 13212 (Manual)

**WARNING:** It is vital for the safety of persons to follow all instructions. Failure to comply with the installation instructions and the safety warnings may result in serious personal injury and/or property damage.
Please save these instructions for future reference.

Automatic Technology (Australia) Pty Ltd to the extent that such may be lawfully excluded hereby expressly disclaims all conditions or warranties, statutory or otherwise which may be implied by laws as conditions or warranties of purchase of an Automatic Technology (Australia) Pty Ltd Garage Door Opener. Automatic Technology (Australia) Pty Ltd hereby further expressly excludes all or any liability for any injury, damage, cost, expense or claim whatsoever suffered by any person as a result whether directly or indirectly from failure to install the Automatic Technology (Australia) Pty Ltd Garage Door Opener in accordance with these installation instructions.

# GDO-9v2 SecuraLift®

## Overhead Garage Door Opener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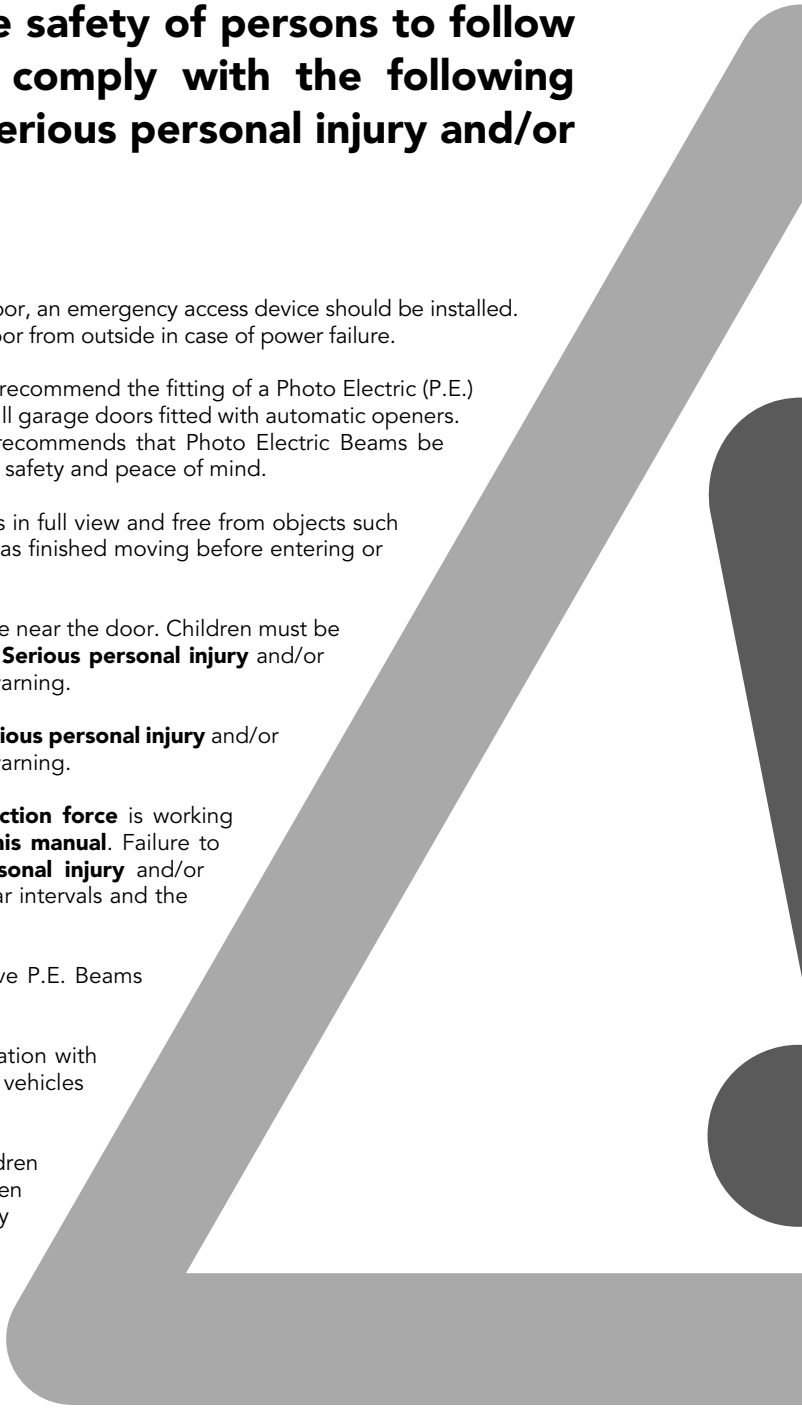
# Important Safety Instructions

## WARNING: It is vital for the safety of persons to follow all instructions. Failure to comply with the following Safety Rules may result in serious personal injury and/or property damage.



**CAUTION:** If your garage has no pedestrian entrance door, an emergency access device should be installed. This accessory allows manual operation of the garage door from outside in case of power failure.

For **ADDITIONAL SAFETY** protection we **STRONGLY** recommend the fitting of a Photo Electric (P.E.) Beam. In most countries P.E. Beams are mandatory on all garage doors fitted with automatic openers. For a small additional outlay Automatic Technology recommends that Photo Electric Beams be installed with the automatic opener ensuring additional safety and peace of mind.

**DO NOT** operate the opener unless the garage door is in full view and free from objects such as cars and children/people. Make sure that the door has finished moving before entering or leaving the garage.

**DO NOT** operate the opener when children/persons are near the door. Children must be supervised at all times when the SecuraLift® is in use. **Serious personal injury** and/or property damage can result from failure to follow this warning.

**DO NOT** allow children to operate the SecuraLift®. **Serious personal injury** and/or property damage can result from failure to follow this warning.

Regularly check to make sure that the **safety obstruction force** is working correctly, and is **tested** and set as per **page 19 of this manual**. Failure to follow these instructions could result in **serious personal injury** and/or property damage. This test must be repeated at regular intervals and the necessary adjustments made as required.

Doors requiring over 400N of force to move must have P.E. Beams installed.

**DO NOT** disengage the door opener to manual operation with children/persons or any other objects including motor vehicles within the doorway.

The door opener is not intended for use by young children or infirm persons without adequate supervision. Children should be supervised to ensure that they do not play with the remote transmitters or the opener.

Keep hands and loose clothing **clear** of the door and door opener at all times.

# Important Safety Instructions

The unit should be installed so that it is protected from the elements. It should not be exposed to water or rain. It is not to be immersed in water or sprayed directly by a hose or other device.

The garage door must be **well balanced.** Sticking or binding doors must be repaired by a qualified garage door installer prior to installation of the opener.

Frequently examine the installation, in particular cables, springs and mountings for signs of wear, damage or imbalance. **DO NOT** use if repair or adjustment is needed since a fault in the installation or an incorrectly balanced door may cause injury. **DO NOT** attempt to repair the door yourself as hardware is under extreme tension.

**Remove or disengage** all garage door locks and mechanisms prior to installation of the opener.

Connect the opener to a properly **earthed** general purpose 240V mains power outlet installed by a qualified electrical contractor.

**Disconnect the power cord** from mains power before making any repairs or removing covers. Only **experienced** service personnel should remove covers from the opener.

When using auto close mode, a **photo electric beam** must be fitted correctly and tested for operation at regular intervals. **Extreme caution** is recommended when using auto close mode. **All safety rules** must be followed.

In order for the SecuraLift® to **sense** an object obstructing the door way, some **force** must be exerted on the object. As a result the object, door and/or person may suffer **damage** or **injury.**

If the power supply cord is damaged, it **must** be replaced by an Automatic Technology service agent or suitably qualified person.

Make sure that the door is fully open before driving in or out of the garage and fully closed before leaving the driveway.

Make sure that remote controls are kept out of reach of children.

Install the wall switch or wall mounted transmitter in a location where it is out of reach of children and the garage door is visible.

# Features

Thank you for purchasing the Automatic Technology **GDO-9v2 SecuraLift®** Overhead Garage Door Opener. Designed to suit sectional overhead and one piece tilt up doors, the components and materials used ensure this opener will provide years of smart, simple and secure operation. Listed below are some of the many features:

**Operation**
To open or close the door simply press a button on a TrioCode™ handheld transmitter, a wall mounted transmitter, or optional wall switch for two seconds. During open and close cycles the door can be stopped by pressing the button again. The next actuation will move the reverse the door's direction.

**TrioCode™ Code Hopping Technology**
Every time a TrioCode™ transmitter is used a new security code is randomly generated from over 4.29 billion possibilities. This greatly enhances the security of the system and makes "code grabbing" a thing of the past

These transmitters also overcome interference issues by simultaneously sending a signal over three different frequencies. Even if two of the three signals are jammed, the system will still work.

**ALPS (Automatic Limits Positioning System)**
ALPS does away with manual adjustment of the door's limits position using mechanical parts, such as cams and microswitches. During installation the hand held transmitter can be programmed to set the door limits positions.

**ISS (intelligent safety obstruction system)**
While the door is performing a close cycle, should it hit an obstacle or be restricted in some manner, it will automatically reverse. The amount of force the door should encounter before reversing is automatically adjusted by the doors control system during the initial installation of the automatic door opener. The door will also stop if restricted whilst opening. The Safety Obstruction Force should be checked monthly.

**Auto courtesy light**
The courtesy light comes on automatically for three minutes whenever the door is activated. The light can also be operated independently of the door by coding a dedicated button on a transmitter.

### SmartSolar™ and Battery Back Up Compatibility (optional)

The opener can be fitted with a SmartSolar™ or Battery Back Up kit for operation in the event of a power outage, or where mains power access is not available. **NOTE:** If the door is the only entrance to the garage, and a battery back up kit is not fitted, a keyed cable release should be fitted external to the garage.

### Vacation mode

A hand held transmitter can be programmed to lock and unlock all other transmitters that have been programmed into the openers' memory. The vacation mode can be used when the door is left idle for long periods of time.

### Pet/Pedestrian mode

The transmitter can be programmed to open the door to an adjustable partial height so that the family pet can enter and exit the garage at any time. You may also wish to open the door to a height suitable only for pedestrian access.

### Auto-close mode

The opener can be programmed to automatically close after an open cycle. The auto-close time is adjustable. It is compulsory to install a P.E. Beam if this mode is selected, otherwise the door may cause personal injury or damage to property.

### Photo Electric (P.E.) Beam (optional)

The opener has an input to connect a P.E. Beam for extra safety and use of the auto-close mode.

### Manual operation

The opener is equipped with a unique manual disengaging device. If the power to the opener is disrupted the door can be put into manual mode by pulling down on the string handle on an angle towards the door. This allows for manual operation of the door. To re-engage the opener pull the string handle away from the door.

# Operating controls

01 **P.E. Shunt.** The shunt has to be removed when connecting a Photo Electric Beam.
**NOTE:** P.E. Shunt must only be removed when P.E. Beams are being connected, otherwise the opener will malfunction.

02 **Terminal Block.**
- 24V PWR is used to power devices such as:
  - » PE (Input) for photo electric beam for safety and auto-close function.
  - » LGT (Input) allow hard wired external trigger for the opener's courtesy light.
  - » O/S/C INPUT is used for the connection of a wired switch (momentary contact). This switch can then be used to open, stop or close the door. Install the wall switch in a location where the switch is out of reach of children and the garage door is visible.

03 **SET** button (yellow) is used during the installation phase together with the Open and MINUS (-) buttons to set the door limit positions. The Set button is also used to re-initialize the Opener.

04 **LIGHT CODE** button (white) is used for storing or erasing the transmitter button (code) you wish to use to switch the courtesy light on the opener on or off.

05 **CODING LED** (red) light flashes when a code is being stored or when a transmitter button is pressed.

06 **OPERATE** button (Yellow) is used during installation to test the open, stop and close cycles for the opener. The opener has to be initialised by the Reset button to make the O/S/C button operable.

07 **DOOR CODE** BUTTON (blue) is used for storing or erasing transmitter buttons for door operation

08 **DOOR STATUS LED** (Yellow)

09 **MINUS** (-) button (red) is used during installation to help set the close limit position. Pressing and holding this button will move the door in the close direction. Movement stops when the button is released.
**NOTE:** The safety obstruction detection is inoperable when the CLOSE button is used to move door..

10 **PLUS** (+) button (green) is used during installation to help set the open limit position. Pressing and holding this button will move the door in the open direction, releasing stops the door.
**NOTE:** The safety obstruction detection is inoperable when the PLUS (+) button is used to move door.

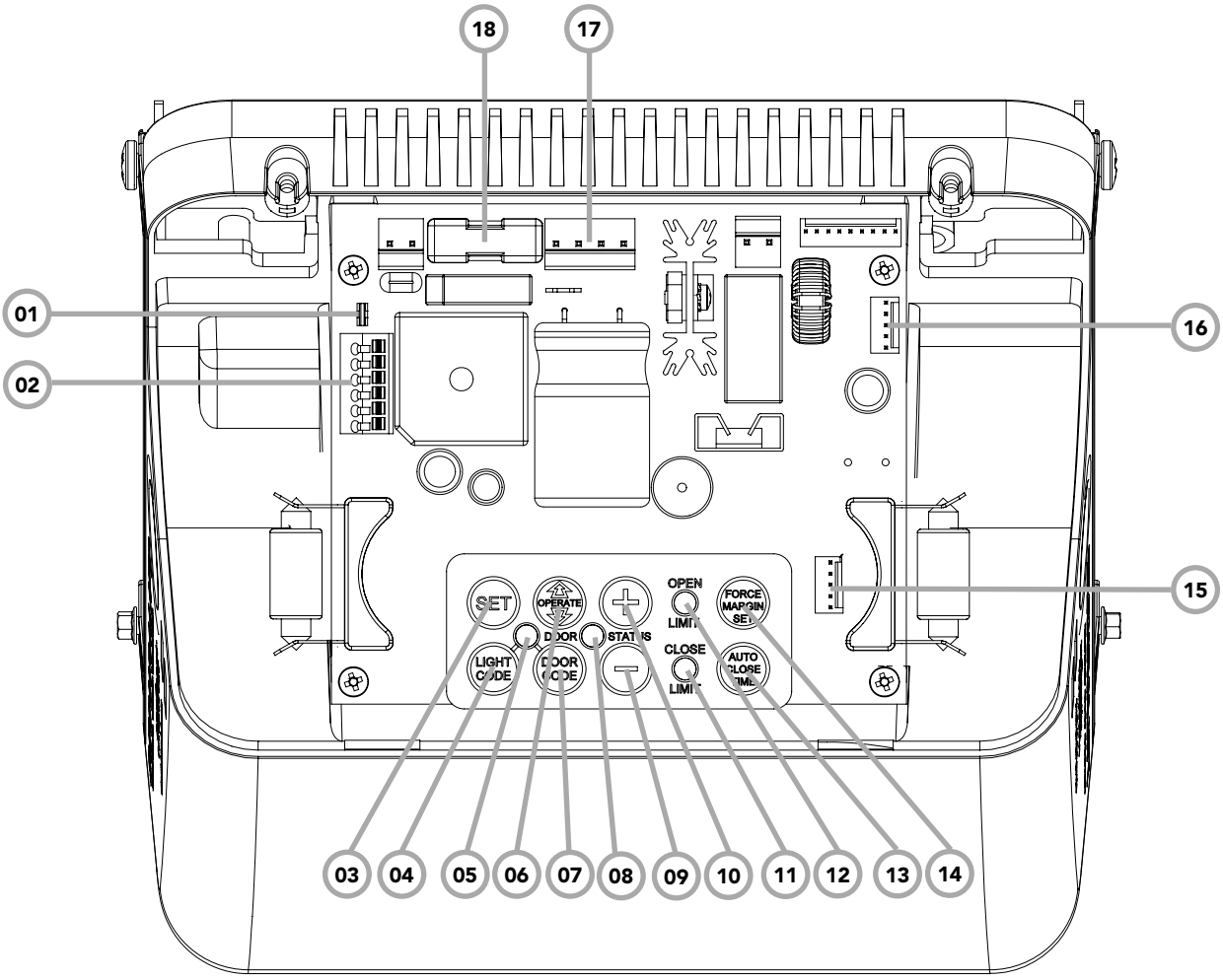
11 **CLOSE LIMIT LED** (red) the LED is very helpful during installation. It illuminates and flashes when the door is closing and remains steady on when the close limit position has been reached.

12 **OPEN LIMIT LED** (green) the LED is very helpful during installation. It illuminates and flashes when the door is opening and remains steady on when the open limit position has been reached.

13 **AUTO CLOSE TIME** button (White) is used to adjust the auto close time. While holding in the AUTO CLOSE TIME button and then pressing the PLUS (+) button the time is increased. Each press will increase the time by 5 seconds. Pressing the MINUS (-) button will decrease the time.

14 **FORCE MARGIN SET** Button: The obstruction force margin is set automatically during installation. The margin can be adjusted manually using the Force Margin Set button (White). Holding the Force Margin Set button and pressing PLUS (+) or MINUS (-) buttons will increase or decrease the amount of force. The Force Margin Set should only be used if environmental factors (wind, etc.) affect the door's operation.

15 **J13 CONNECTOR** onto this the shunt supplied with SmartSolar™ kit must be fitted for solar operation.



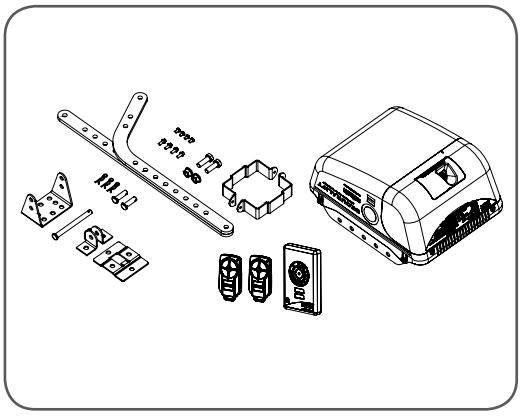

16 **PROG INPUT** is used to connect the Automatic Technology Handheld Programmer for editing control and receiver functions, accessing diagnostic tools, and activating special features and operating modes.

17 **SBY-3 CONNECTOR** is used to connect both Battery Back Up Kits and SmartSolar™ kits.

18 **10A FUSE**

# Kit contents

fig 01



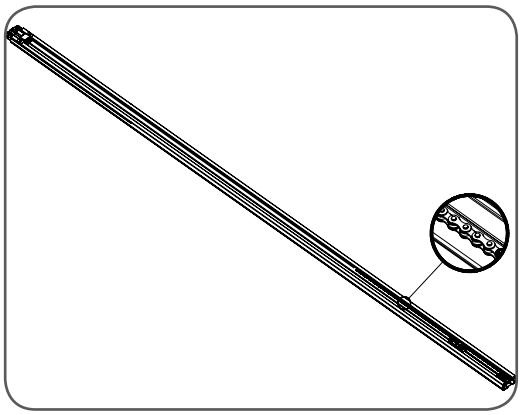
### Drive Unit

1 x GDO-9v2 SecuraLift® Trio drive unit (Fig. 01)
1 x TrioCode™ Transmitter pack (Fig. 01)
(Pack includes two keyring transmitters and batteries)
1 x Wall mount transmitter with battery (Fig. 01)
2 x Door attachment arms (Fig. 01)
1 x Accessory and hardware pack (Fig. 01)
1 x Manual Disengage Cord (Fig. 01)
1 x Installation Manual

## PLUS

### Pre-Assembled Single Piece C-Rail

fig 02



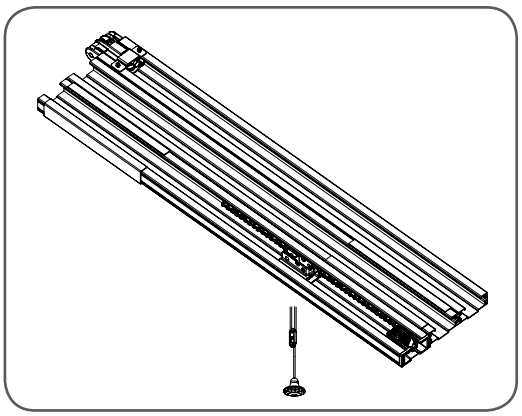
NOTE: The chain or belt in the one piece rail has been tensioned by the factory. Do not adjust the tension of the chain.

IMPORTANT NOTE: If a modification to the length of the track is required, the adjustment must be made from the drive unit end only.

## OR

### Pre-Assembled Multi Piece C-Rail

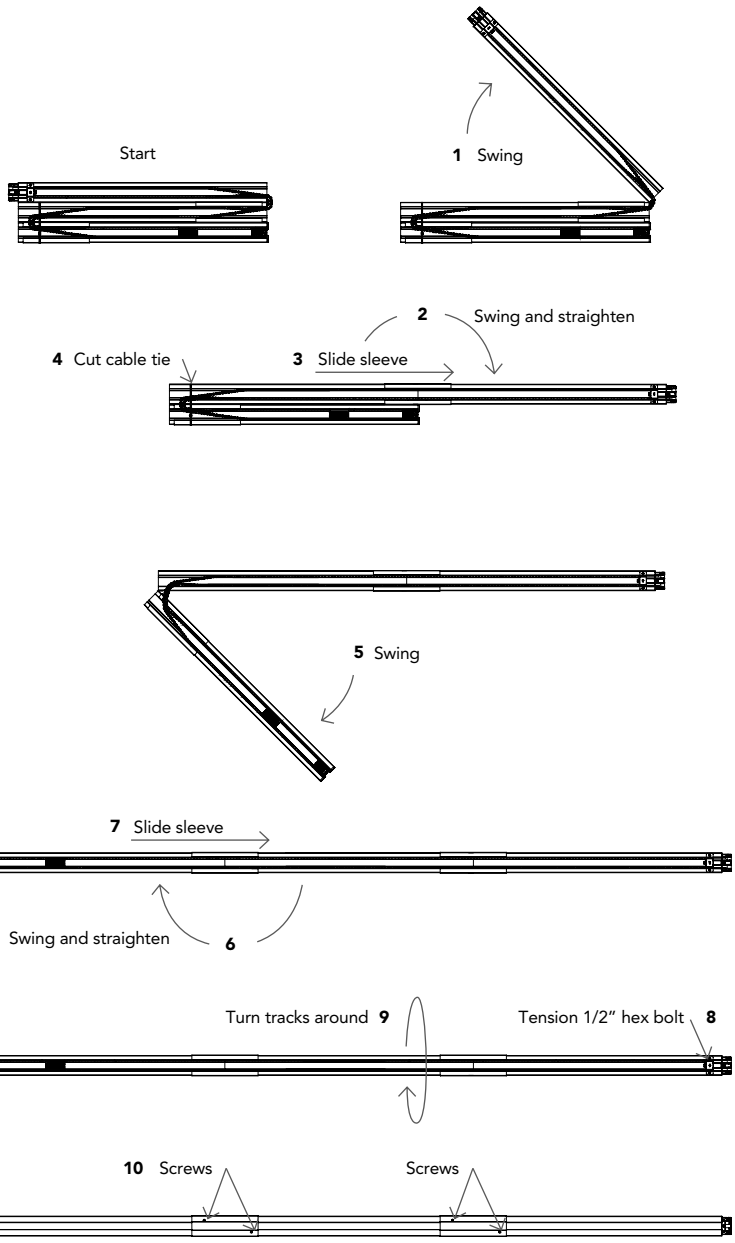
fig 03



Note: The chain or belt in the multi piece rail has been tensioned by the factory. Do not adjust the tension of the timing belt.

IMPORTANT NOTE: If modification to the track length is required, adjustment must be made only from drive unit end only.

# Knockdown C-Rail Assembly




Adjust chain tension: Move the shuttle to middle of track. Use a spring scale to measure required force to pull the shuttle adjust 1/2" hex bolt to tension chain.

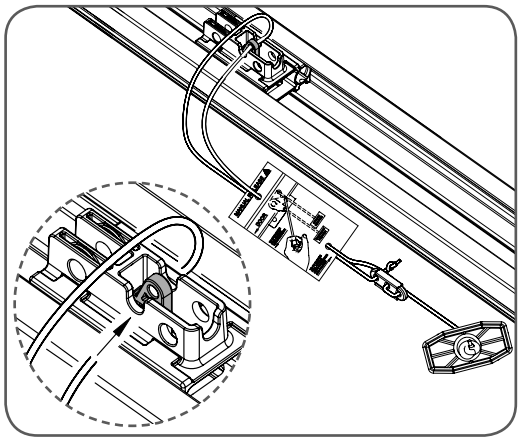
Recommended pull force: 8kg (80N)

fig 04

**Step 1 - Knockdown C-Rail Assembly**
Unpack and assemble the C-Rail as shown above in **Fig 04.**

# C-Rail Attachment

fig 05



### Step 2 - Attach Manual Disengage Cord

a. If not already disengaged, flick the yellow clutch lever up so it sits perpendicular to the rail.
b. Thread the loose end of the cord through the hole in the yellow clutch lever **(Fig. 05)**.
c. Thread the cord down to red toggle and knot through the spare hole.
d. Test if secured properly by pulling back towards sprocket end to engage, and the towards door end to disengage.

### Step 3 - Secure C-Rail to Drive Unit

a. Locate and insert the shaft of drive unit into the C-Rail's sprocket **(Fig. 06)**.
b. Fix the two track brackets with four screws supplied in accessory pack **(Fig. 07)**.

fig 06

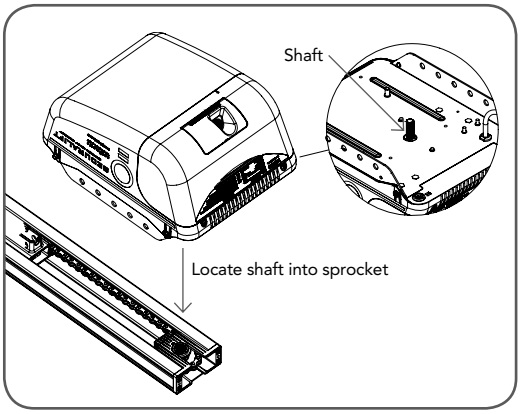
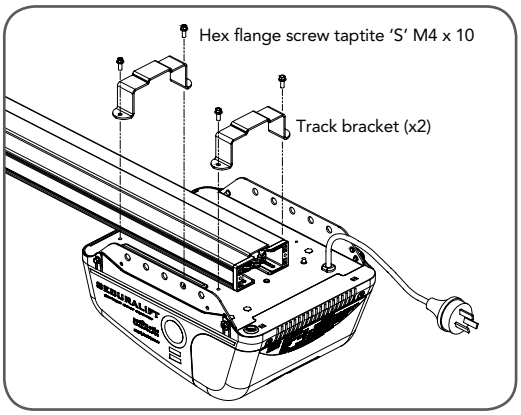



fig 07



# Determine the Door Type

**Step 4 - Determine Door Type**
Determine which type of garage door you have as illustrated below. **(Fig. 08 to 10).**

For a sectional (panel) door on tracks **(Fig. 08)** proceed with the installation from Step 5.

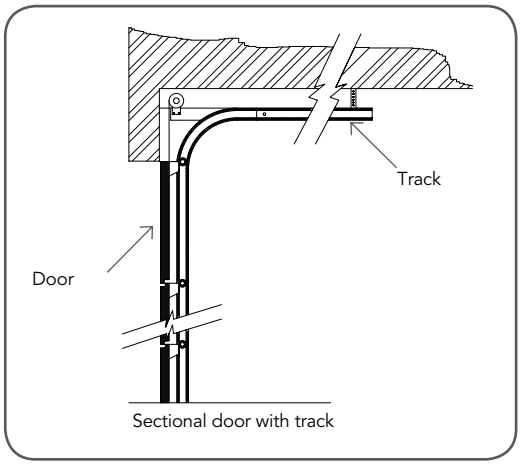



**fig 08**

For a one-piece door on tracks **(Fig. 09)** proceed with the installation from Step 5.

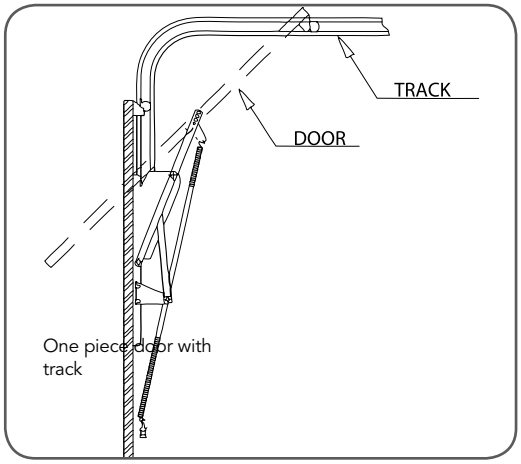



**fig 09**

For a one-piece door without tracks (on springs) **(Fig. 10)** proceed with the installation from Step 9.

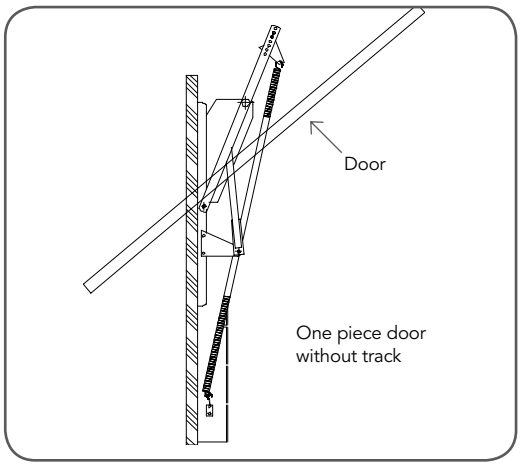
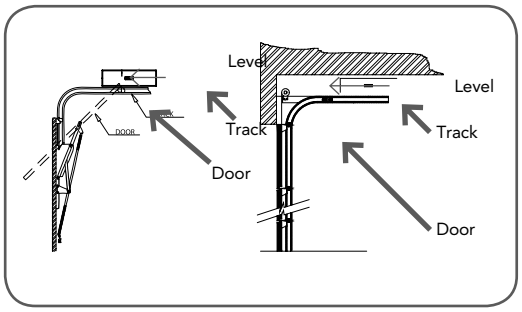



**fig 10**

# Mounting on a Track Type Door

fig 11

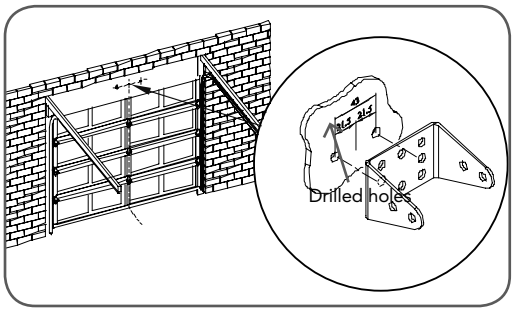



**WARNING:** The opener must be securely fastened to structural supports, otherwise opener failure may ensue causing serious personal injury and/or property damage.

### Step 5 - Determine Bracket Position

a. Open the door and find the highest point of travel of the top door panel.
b. Using a level, transfer this height to the wall above the door **(Fig. 11)** and mark a line 60mm above it.
c. Determine the centre point on the wall above and on top of the door. Draw two lines extending 21.5mm from each side of the centre point. **(Fig. 12)**

fig 12

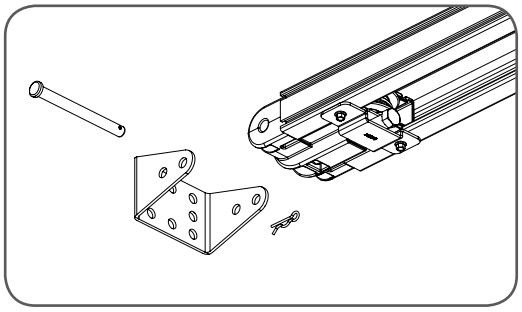



### Step 6 - Mounting the Wall Bracket

a. Centre the bracket over the intersection of these two lines. Mark centres for at least two holes **(Fig. 12)**.
   - Ensure this is into a solid mounting point
b. Drill holes into the wall with an appropriate bit.
c. Secure to the wall using:
   IF CONCRETE OR BRICK - 8mm (5/6") loxins/dynabolts.
   IF TIMBER - wood screw #20 or similar (min. 50mm).

**WARNING:** Make sure concrete, brick wall or timber lintels are solid and sound so as to form a secure mounting platform.

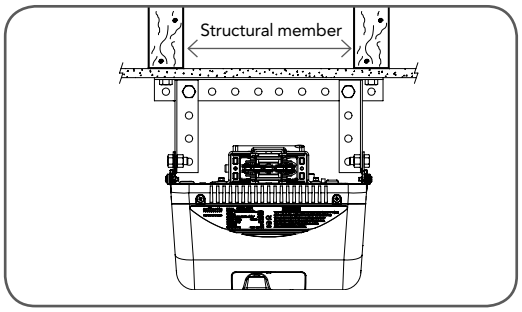
fig 13



### Step 7 - Attach the Rail to the Wall Bracket

a. Attach the C-Rail assembly to the wall bracket with the 90mm long clevis pin and secure with the supplied snap pin **(Fig. 13)**
b. Leave the powerhead in its packing box for protection during installation.

fig 14




### Step 8 - Secure the Powerhead to the Ceiling

a. Raise the powerhead from the packing box and support it in the horizontal position with a step ladder.
b. Open the garage door. Rest the opener on the open door and use a scrap piece of wood to bring it to horizontal level.
c. Line up the track perpendicular to the wall.
d. Secure the perforated angle (not supplied) to the ceiling above where powerhead's mounting holes will be once fully installed. A representative mounting is shown **(Fig. 14)**
e. Connect the powerhead to the ceiling mounted perforated angle with M8x20mm screws and nuts. Strips should not extend more than 18mm below centre of powerhead mounting holes.

Go to Step 14 on page 14.

# Mounting on a non-Track Type Door

**WARNING:** The opener must be securely fastened to structural supports, otherwise opener failure may ensue causing serious personal injury and/or property damage.

### Step 9 - Determine the Door's Centre

a. Find the centre of the door and mark this location both above the door and on top of the door.
b. Draw two lines 21.5mm either side of this **(Fig. 15)**.

### Step 10 - Prepositioning the Opener

a. Raise the door to open position.
b. Rest the opener on the top edge of the door with end of the rail against the wall **(Fig. 136**.
c. Support the powerhead level with the lowest point of the open door **(Fig. 16)**.

**NOTE:** Do not slide rail along the face of the door.

### Step 11 - Mounting the C-Rail

a. Close the door slowly. The rail will be elevated by the top edge of the door as it moves.
b. Stop the door when it is at its highest point of travel. Allow 25mm additional height for clearance between the door and the track **(Fig. 17)**.
c. Support the Rail in this position and close the door
d. The height determined in Step 11(b) will be the height at which to mount the wall bracket.
e. Centre the bracket along the line determined in Step 9
f. Using the bracket as a template, mark a minimum of two holes and drill with appropriate size bit. For a more secure fitting, the wall bracket can be anchored using more than two holes.
g. Secure the bracket to the wall using:
IF CONCRETE OR BRICK - 8mm (5/6") loxins/dynabolts.
IF TIMBER - wood screw #20 or similar (min. 50mm)
h. Attach the bracket and C-Rail with supplied pins **(Fig. 13)**.

**WARNING:** Make sure concrete, brick wall or timber lintels are solid and sound so as to form a secure mounting platform.

### Step 12 - Secure the Powerhead to the Ceiling

a. Secure the perforated angle (not supplied) to the ceiling above where powerhead's mounting holes will be. See **(Fig.14)** for a representative mounting.
b. Connect the powerhead to the ceiling mounted perforated angle with M8x20mm screws and nuts. Strips should not extend more than 18mm below centre of powerhead mounting holes **(Fig. 14)**.

### Step 12.1 - Alternative Mounting Option

The opener can be fastened to the roof by driving a bolt through the C-Rail into a structural timber support. The bolt head's height must not exceed 6mm **(Fig. 14)**.

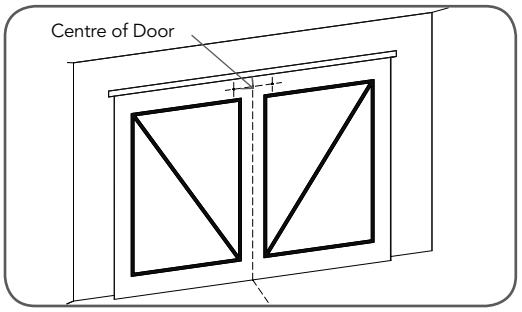



**fig 15**

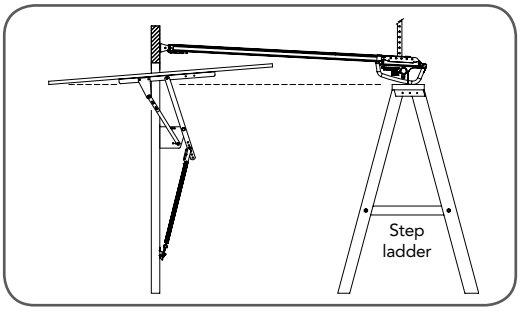



**fig 16**

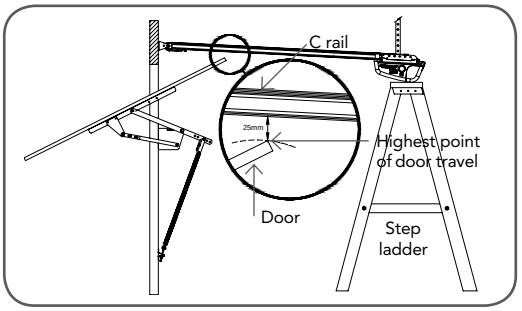



**fig 17**

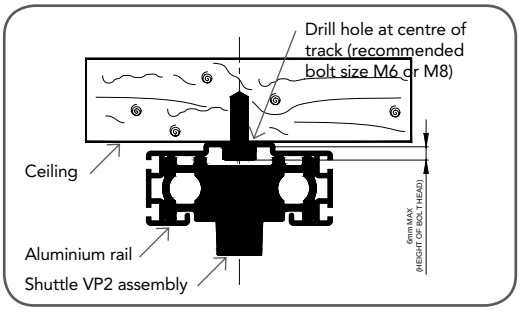



**fig 18**

# Mounting Door Bracket & Arms

fig 19

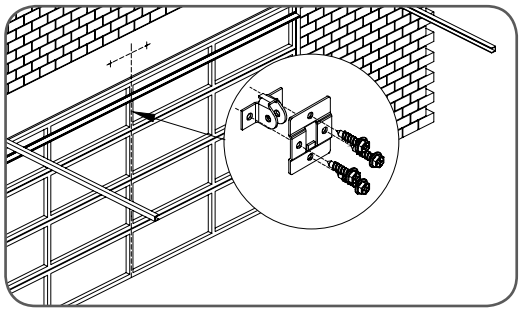


fig 20

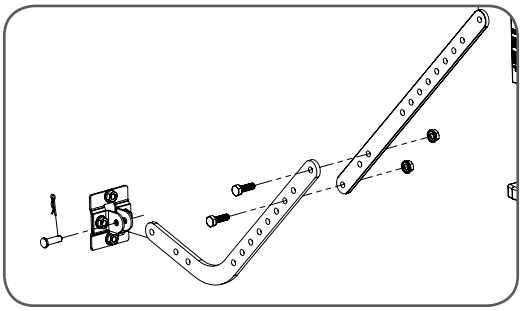


fig 21

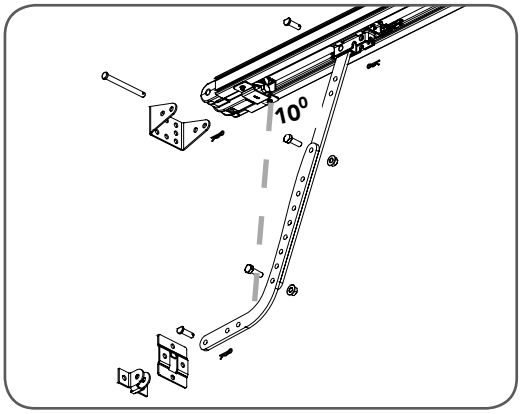
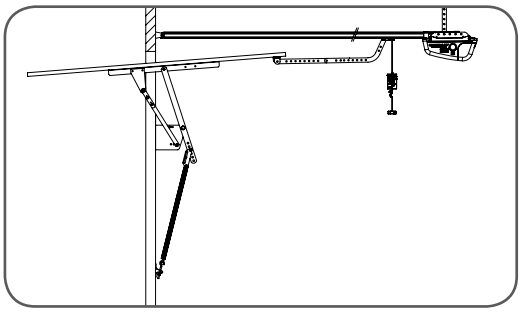



fig 22



### Step 13 - Mounting Door Bracket

The door bracket comes in two parts. The bottom plate with two mounting holes is used on its own for one piece doors. For sectional doors, the top plate is placed over the bottom plate and is fixed with four (4) screws **(Fig. 19).**

a. Mount the door bracket, or bracket assembly, on the door's centre line one-third down the top panel **(Fig. 19)** using M6 or equivalent screws (not supplied),
b. STEEL DOORS ONLY: Bracket can be welded in place.

**NOTE:** If in doubt about the door's strength, reinforcement may be added to the door's frame where necessary. Door damage may occur if the bracket is installed on a panel with insufficient strength. The opener's warranty does not cover damage caused to the door and/or door panels.

### Step 14 - Attaching the Arms

FOR SECTIONAL AND ONE PIECE DOORS WITH TRACK:

a. Assemble the bent and straight arms with bolts and nuts supplied in the accessory pack **(Fig. 20)**. Always use both bent and straight arms.
b. Connect the assembled arm to the bracket and the disengaged trolley with clevis and snap pins. The angle "A" must be more than 10° **(Fig. 21)**.

**WARNING:** Connecting the bent arm other way around may damage the door. The straight arm should not protrude beyond heal of bent arm

FOR ONE PIECE DOORS WITHOUT TRACK

a. Assemble the bent and straight arms as shown in **(Fig. 22)** with bolts and nuts supplied in the accessory pack. Always use both the bent and straight arms.
b. Connect the assembled arm to the bracket and the disengaged trolley with clevis and snap pins.
c. If installing on a door with a bad wave action, lengthening the arm will assist in reducing this effect.

**IMPORTANT NOTE:** Adjust the length of the cord so that its toggle is no more than 1.8m from the ground.

# Setting Limits

### Step 15.1 - Setting Travel Limits

**NOTE:** If P.E. Beams are to be used they must be installed before setting the travel limits.

**WARNING!** Use caution when operating the manual release with the door open since it may fall rapidly due to weak or broken springs, or an improperly balanced door.

**CAUTION!** Do not disengage the opener to manual operation with children, persons or any objects including motor vehicles within the doorway.

a. Engage the C-Rail's trolley (attached to the door via the arms) with the chain index by moving the door.
   » If the trolley does not "click" firmly onto the chain index, ensure that the manual release cord is not in the disengaged position by pulling it backwards.
b. Turn on the power to the opener. The CLOSE LIMIT LED will be flashing.
c. Remove the button cover with a small blade screwdriver **(Fig. 23)**.
d. Press and hold the MINUS (-) button - the door will start closing **(Fig. 24)**.
e. Release the MINUS (-) button when the door is near the desired closed position. Single presses of the MINUS (-) button will "inch" the door closed.
   » If the door overshoots press the PLUS (+) button to move the door in the open direction.
f. When the door is at the desired close position, press the SET button to record the close limit position. The OPEN LIMIT LED will now flash.
g. Press and hold the PLUS (+) button to open the door **(Fig. 25)**.
h. Release the PLUS (+) button when the door is near the desired open position. Single presses of the PLUS (+) button will "inch" the door open.
   » If the door overshoots press the MINUS (-) button to move the door in the open direction.

**WARNING!** Once the next step is performed, the door will automatically close and open to calculate force settings. Keep persons and objects clear of the door until it stops and the opener sounds a beep.

i. Press the SET button to store the open limit. **Please read the above warning.**

### Step 15.2 - Resetting Travel Limits

To reset the limits press and hold the MINUS (-) button for 6 seconds until the CLOSE LIMIT LED flashes quickly. If no action is taken within 30 seconds, the opener will return to normal operating mode and restore the original settings.

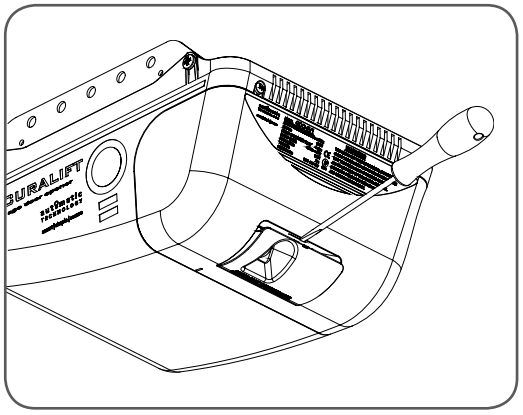


fig 23

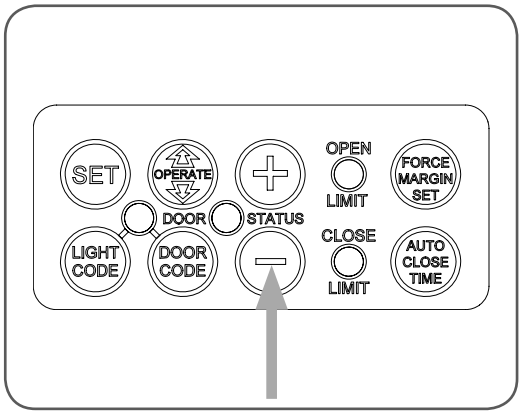



fig 24

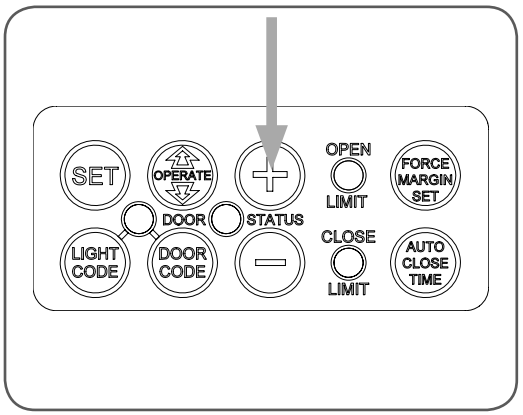



fig 25

# Setting Limits: via Transmitter

fig 26

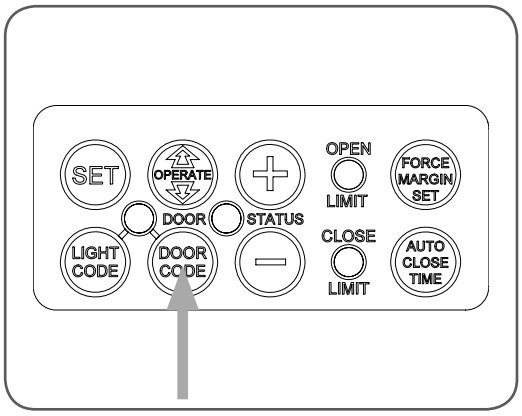
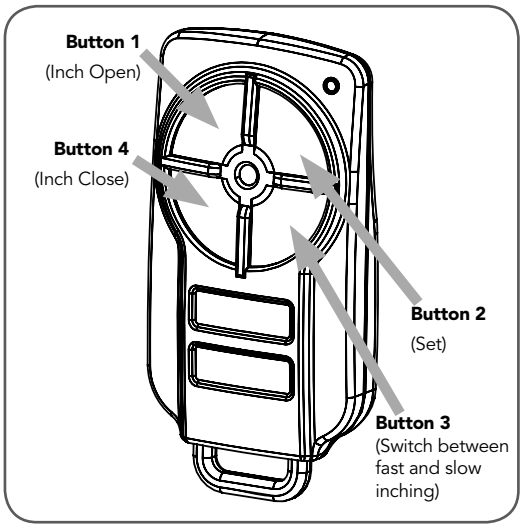



fig 27




The GDO-9v2 has the alternate ability to set travel limits using the transmitter, allowing free movement around the garage to better assess the desired limit positions.

### Step 16.1 - Code a Transmitter for Limit Setting

a. Ensure the opener is powered up.
b. Press and hold the DOOR CODE button **(Fig. 26).**
c. Press Button 1 on the transmitter for two seconds **(Fig. 27)**. Release and pause for two seconds. Press the Button 1 again for two seconds.
d. Release the DOOR CODE button.

### Step 16.2 - Setting Limits via Transmitter

a. Engage the C-Rail's trolley (attached to the door via the arms) with the chain index by moving the door.
   » If the trolley does not "click" firmly onto the chain index, pull the cord backwards until it locks in place, and try again.
b. Press and hold Button 4 on the transmitter to close the door. When the door is approx. 20mm from the ground, press and hold Button 3 for two seconds and release **(Fig. 27)**.
c. Each press of Button 4 will allow you to "inch" the door closed. Keep doing this until the door reaches the desired close limit position.
   » If the door closes too far, press Button 1 to "inch" the door towards open
d. When happy with the close limit position, press Button 2 to store this in memory.
e. Press Button 1 to open the door. When approx. 20mm from the desired open position, press and hold Button 3 for two seconds then release.
f. Each press of Button 1 will allow you to "inch" the door open. Keep doing this until the door reaches the desired open limit position.
   » If the door is opened too far, press Button 4 to "inch" the door towards closed

**IMPORTANT WARNING:** The door will automatically close, open and close again **once Step 16.2(f) is performed**. Ensure that no persons or objects are in the door's path.

f. When happy with the open limit position, press Button 2 on the transmitter to store into memory.
g. The door will now automatically close and open to calculate the safety obstruction settings. After this, the opener can be operated with the OPERATE button.

### Step 16.3 - Resetting the Door Limit Positions

Limit positions can be deleted by the following steps:
a. Follow Steps 15.2 (a) and (b), as outlined previously.
b. Repeat Steps 16.1 and 16.3 to set new travel limit positions.
   » There is no need to re-code the transmitter (Step 16.2) upon resetting travel limits. The transmitter will still be stored in memory.

# Safety Obstruction Force Test

**WARNING!** Take care when testing or adjusting the Safety Obstruction Force. Excessive force may cause SERIOUS PERSONAL INJURY and/or PROPERTY DAMAGE.

### Step 17.1 - Testing Close Cycle

a. Press the OPERATE button to open the door **(Fig. 28).**
b. Place a piece of timber approximately 40mm high on the floor directly under the door **(Fig. 29).**
c. Press the OPERATE button to close door. The door should strike the object and start to re-open.

### Step 17.2 - Testing Open Cycle

a. Press the OPERATE button to close the door **(Fig. 28).**
b. Press again to open the door. When the door reaches the half open point, grab the bottom rail of the door firmly and the door should stop.
c. If the door does not reverse readily when closing, or stop when opening, the force may be excessive and need adjusting, refer below.

**DANGER!** If the door fails these tests, put the opener into manual mode, only operate the door by hand and call for service.

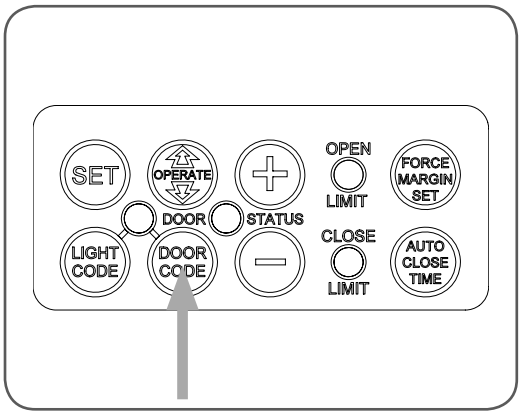



fig 28

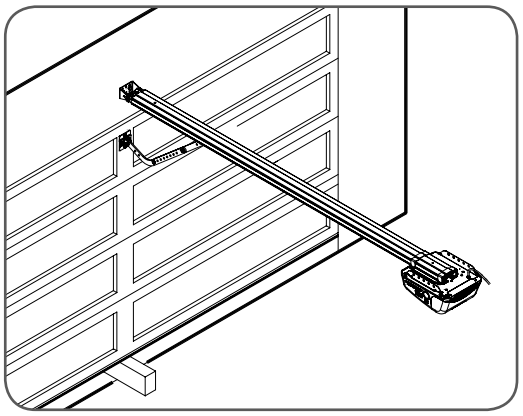


fig 29

# Adjusting Safety Obstruction Forces

fig 30

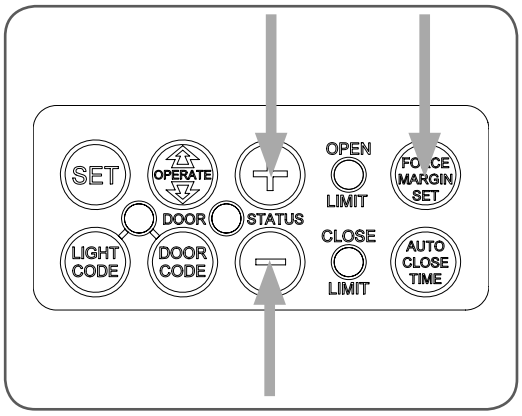



fig 31

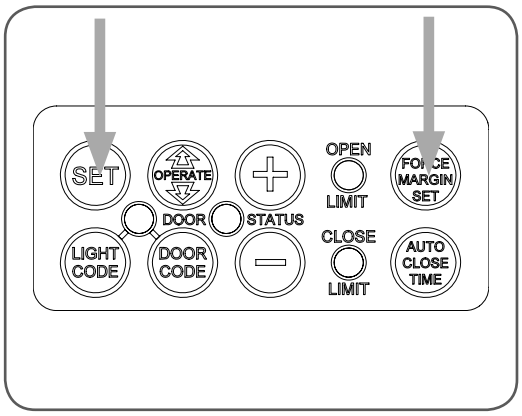
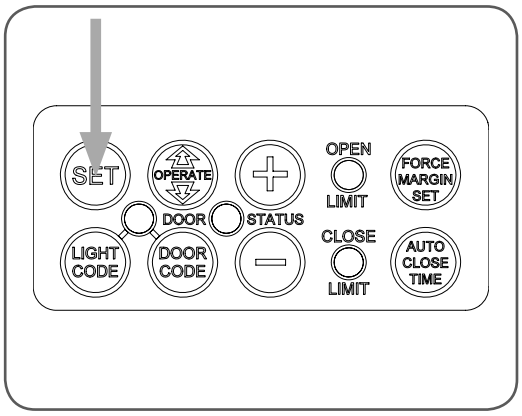



fig 32




### Adjusting Safety Obstruction Force

The Safety Obstruction Force is calculated automatically during setup. Adjusting this is normally only necessitated by environmental conditions such as windy or dusty areas, and areas with extreme temperature changes.

**WARNING:** Doors requiring over 400N of force to move must have P.E. Beams fitted for safety.

### Step 18.1 - To Increase Force Pressure

a. Hold down FORCE MARGIN SET button **(Fig. 30)**
b. While holding the FORCE MARGIN SET button, press the PLUS (+) button. Each press increases the force margin **(Fig. 30)**.
c. The OPEN LIMIT LED will flash each time the PLUS (+) button is pressed to indicate a force increase
   - » If the OPEN LIMIT LED flashes continuously when pressing the PLUS (+) button this indicates that the maximum setting has been reached.
d. Test the force again as per Steps 8.1 and 8.2

### Step 18.2 - To Decrease Force Pressure

a. Hold down FORCE MARGIN SET button **(Fig. 30)**
b. While holding the FORCE MARGIN SET button, press the MINUS (-) button. Each press decreases the force margin **(Fig. 30)**.
c. The CLOSE LIMIT LED will flash each time the MINUS (-) button is pressed to indicate a force decrease
   - » If the CLOSE LIMIT LED flashes continuously when pressing the MINUS (-) button this indicates that the maximum setting has been reached.
d. Test the force again as per Steps 8.1 and 8.2

### Step 18.3 - To Recall Factory Set Force

a. While holding down the FORCE MARGIN SET button, press the SET button for two (2) seconds. **(Fig. 31)**
b. Release both buttons. The default setting should now be recalled.

### Step 18.4 - To Recalculate Force Margins

a. Press and hold the SET Button for two (2) seconds, the beeper will sound once **(Fig. 32).**
b. The door will start to move and re-calculate force margins. The door can move between the open and close limit positions up to four (4) times (depending on the position of the door and the power up condition).
c. A single beep will be heard once the process is complete.
d. Test the force again as per Steps 8.1 and 8.2.

# Coding Transmitters

### Step 19.1 - Code a Transmitter Button for Door Operation

a. Press and hold the DOOR CODE button **(Fig. 33)**.
b. Press one of the four buttons on the transmitter for two (2) seconds, pause for two (2) seconds, then press the same button again for two (2) seconds.
c. Release the DOOR CODE BUTTON.
d. Press the transmitter button to test.

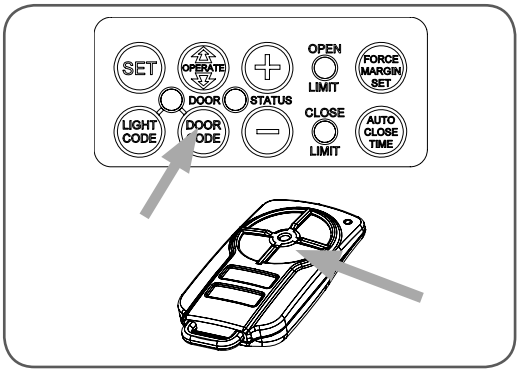



fig 33

### Step 19.2 - Coding a Transmitter Button to the Courtesy Light

The transmitter can be programmed to operate the courtesy light on the opener independently of the door moving.

a. Press and hold LIGHT CODE button **(Fig. 34)**.
b. Press one of the four buttons on the transmitter for two (2) seconds, pause for two (2) seconds, then press the same button again for two (2) seconds.
c. Release the LIGHT CODE button.
d. Press the transmitter button to test.

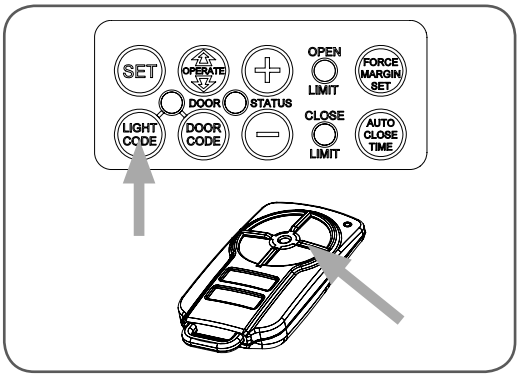



fig 34

### Step 19.3 - Code a Transmitter Button for Pet (Pedestrian) Mode

a. Press and hold both the DOOR CODE and MINUS (-) buttons **(Fig. 35).**
b. Press one of the four buttons on the transmitter for two (2) seconds, pause for two (2) seconds, then press the same button again for two (2) seconds.
c. Release the DOOR CODE and MINUS (-) buttons.
d. Press the transmitter button to test. To change the default pet (pedestrian) door opening position, refer Step 2.

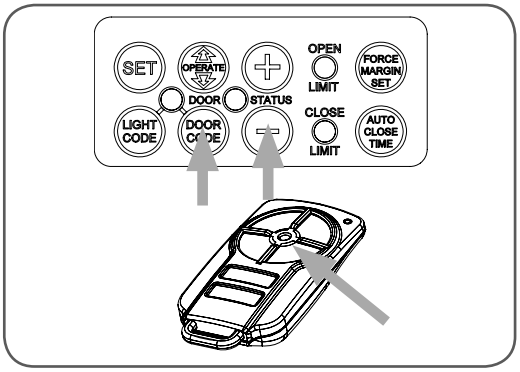



fig 35

### Step 19.4 - Code a Transmitter Button to Enable Vacation mode

The opener can be programmed into a "Vacation Mode" where the opener will not respond to any transmitter except one preprogrammed unit.

a. Press and hold LIGHT CODE and MINUS (-) buttons **(Fig. 36).**
b. Press one of the four buttons on the transmitter for two (2) seconds, pause for two (2) seconds, then press the same button again for two (2) seconds.
c. Release LIGHT CODE and MINUS (-) buttons.
d. To test, press and hold the transmitter button for five seconds to set Vacation Mode.
e. To reset Vacation Mode press the same button for two seconds.

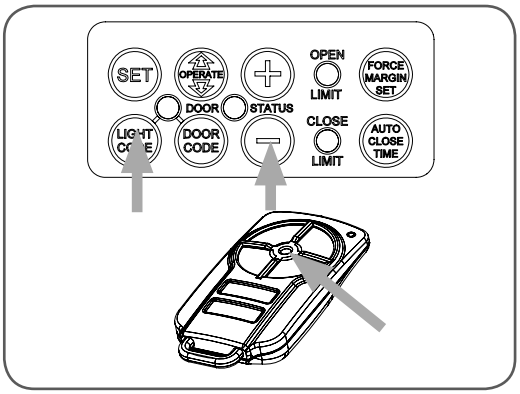



fig 36

# Remote Coding & Deleting Transmitters

fig 37

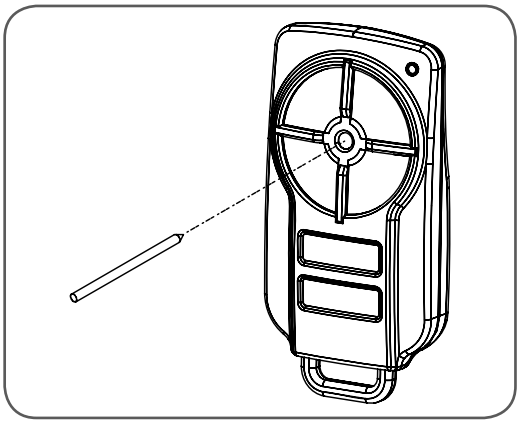
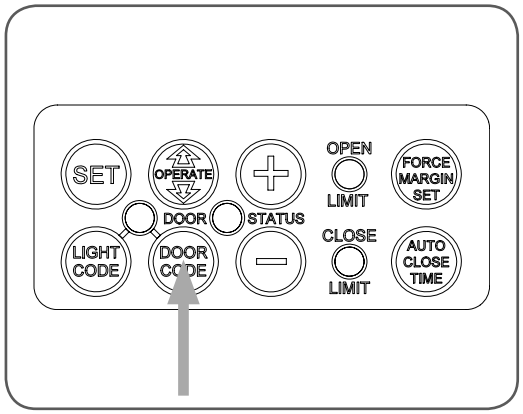


fig 38




### Step 20 - Remotely Coding Transmitters

Using this method transmitters can be coded without access to the opener's control panel as long as a pre-coded transmitter is available.

**IMPORTANT NOTE:** The door or courtesy light must activate when the steps below are performed. This indicates that the pre-coded transmitter is in range of the opener, and the correct button has been pressed.

a. Take any pre-coded transmitter. Press the button for the function to be duplicated and release.
b. Using a small needle, press and hold firmly for two seconds through the Coding Hole **(Fig. 37).**
c. WITHIN 10 SECONDS take the additional transmitter you wish to code. Decide which button that you want to activate the function to be duplicated (e.g. activate the door, or turn on the courtesy light)
d. Hold the new transmitter's button for two seconds, pause for two seconds, hold again for two seconds and then release.
e. Wait for 10 seconds and then press the new transmitter's button to test.

### Step 21.1 - Deleting a Stored Transmitter Code

a. Select the transmitter you want to delete.
b. Press and hold the DOOR CODE BUTTON **(Fig. 38).**
c. Press the transmitter button you would like to delete for two seconds, pause for two seconds, press again for two seconds and then release.
d. Release the DOOR CODE BUTTON. The code should now be deleted. Confirm this by pressing the transmitter button - the function (e.g. door opening) should not respond.

### Step 21.2 - Deleting All Transmitter Codes

a. 1. Turn off power to the opener.
b. While switched off, press and hold the DOOR CODE BUTTON **(Fig. 38).** Turn on power to the opener while holding this button.
c. The OPEN LIMIT, CLOSE LIMIT and DOOR STATUS LEDs will illuminate for about five seconds. These LED's will turn off and the CODING LED will illuminate.
d. Release the DOOR CODE BUTTON. All stored codes will now be deleted. Confirm this pressing buttons on any previously coded transmitters - the opener should not respond.

# P.E. Beam & Auto-Close

### Step 22 - Fitting the P.E. Beams (optional)

a. Affix the P.E. Beams in a strategic location within the doorway. We recommend 150mm above the floor level and as close as possible to the door opening, inside the garage.
b. Remove the shunt from P.E connector **(Fig. 39)**.
c. Connect the wires from the P.E. wiring harness to terminal block **(Fig. 40).** The wiring diagram is for Model PHBE (Order Code 90214).

Make sure to align the beams correctly. Follow the manual supplied with the P.E. Beams.

**WARNING:** When using Auto Close Mode and P.E. beams, the doorway must be clear of all obstructions and persons at all times. The location of the beam sand manner in which it is installed might not give safety protection at all times. Check to make sure that the height of the beam and type used give maximum protection possible.

### Step 23 - Setting Up Auto-close Mode

**IMPORTANT NOTICE:** It is compulsory to have P.E. Beams installed when using Auto-close mode.

Auto-close mode is a function that automatically closes the door a preset time after the P.E. Beams recognise that a vehicle has left the garage.

The Auto-close timer only starts after the P.E. Beam's path is broken the Auto-close timer has been set. If the P.E. path is not broken the door will remain open until the path is broken. If the opener incurs a physical obstruction (i.e. not from the P.E. Beams) while closing the door will re-open and not Auto-close until the P.E. Beam's path is broken again.

### Step 23.1 - Setting Auto-close Time

a. Hold down the AUTO CLOSE TIME button **(Fig. 30).**
b. While holding in the AUTO CLOSE TIME button, press the PLUS (+) button - each press will add one second to the Auto-close delay.
c. To decrease the delay time follow Step 15.1(a) and press the MINUS (-) button - each press will deduct one second from the Auto-close delay.
d. Press the OPERATE button or transmitter to open the door. When the door is fully opened the OPEN LIMIT LED will flash to indicate that Auto-close mode is operational.
e. Break the P.E. Beam's path momentarily to initialise Auto-close. When the door reaches the fully opened position, the door will pause for the set Auto-close time and then close.

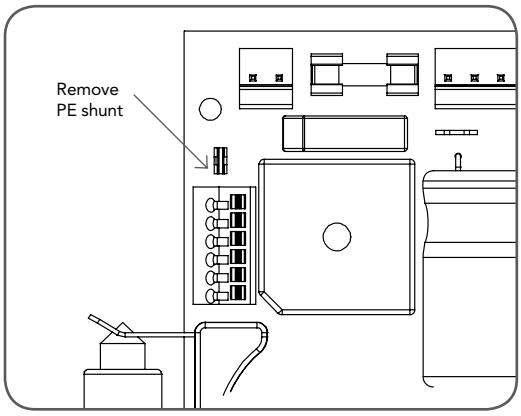



fig 39

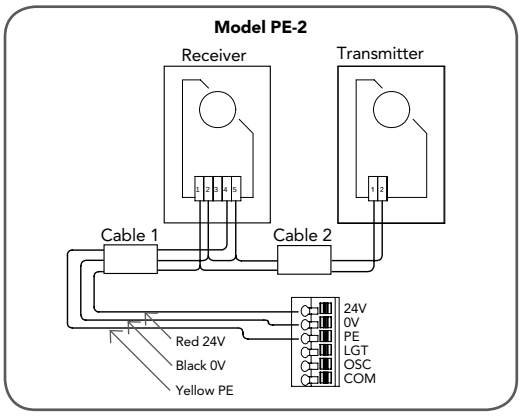



fig 40

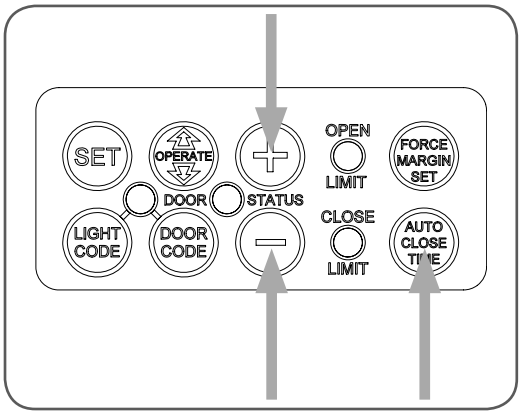



fig 41

# SmartSolar™ Installation

Fig 42

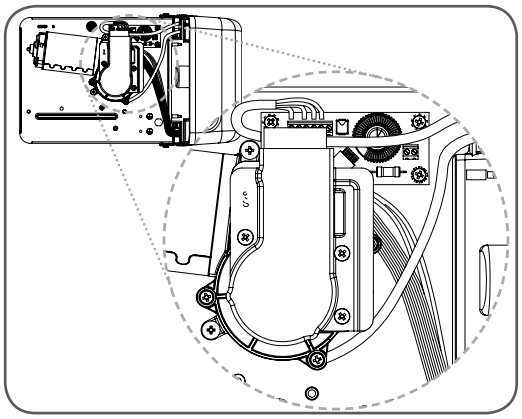


Fig 43

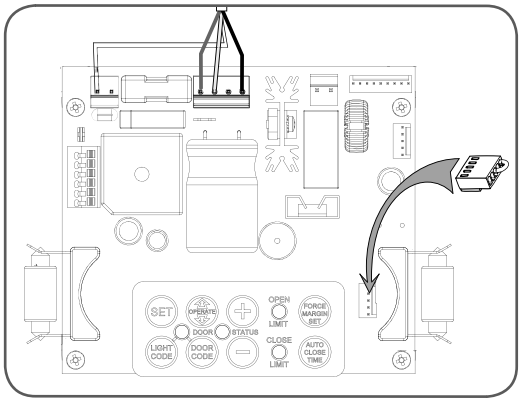



Fig 44

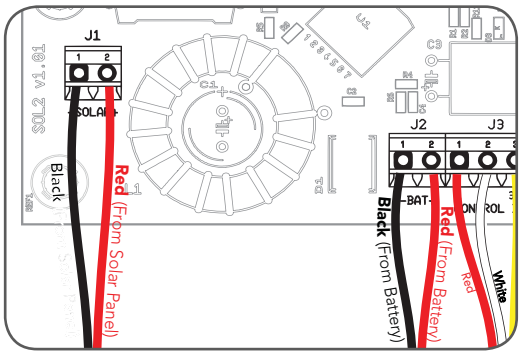
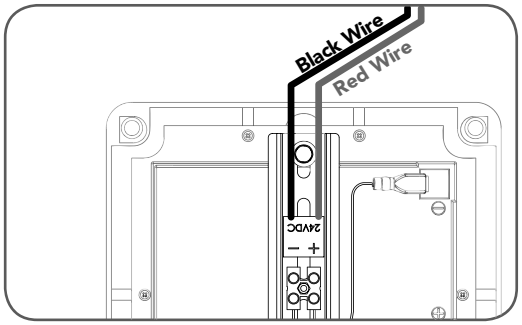



Fig 45




**PLEASE NOTE:** Control board firmware must be v1.32 or higher for SmartSolar™ compatibility

**WARNING:** Do not connect batteries until Step 24.3

## Step 24.1 - Mount the Charger Board

a. Unplug the drive unit from mains power.
b. Remove the screws, swing open the main cover and remove the light diffuser. Then remove the transformer, EMC board (if fitted) and mains power cable.
c. Fix the Charger Board under the timing assembly using three (3) M4x8 screws **(Fig. 42)**.
d. Plug the Charger Board's three wire harness (red/yellow/black) into the control board's "SBY-3" connector **(Fig. 43)**.
e. Plug the Charger Board's white one wire harness into the control board's "24vac in" connector **(Fig. 43)**.
f. Plug the solar shunt (supplied) onto the control board's "J13" connector **(Fig. 43)**

**IMPORTANT WARNING:** Do not connect battery or solar panel polarity incorrectly - this will result in serious damage to components.

## Step 24.2 - Connect the Solar Panel

a. Mount the solar panel as outlined in the SmartSolar™ Installation Manual.
b. Feed the Solar Panel's cable through black grommet located on the top of the plastic drive unit cover.
c. Connect the **red wire** to the Charger Board's "**SOLAR+**" connector, and the **black wire** to the "**–SOLAR**" connector **(Fig. 44)**.

**WARNING:** During Step 24.3 the opener will become active.

## Step 24.3 - Mount & Connect the Battery

a. Mount the Battery Box close to the opener.
b. Feed the 2-core 18awg gauge cable (supplied) through the Battery Box's grommet.
c. Connect the **red wire** to the Battery Box's "**+**" terminal, and the **black wire** to the "**–**" terminal **(Fig. 45).**
d. Feed the other end of the battery cable through the drive unit's black grommet.
e. Connect the **red wire** to the Charger Board's "**BAT+**" connector, and the **black wire** to the "**–BAT**" connector **(Fig. 44)**.
f. Refit the light diffuser and main cover.

## Step 24.4 - Re-setup and Test the Opener

a. Setup travel limits and code transmitters as per the GDO-9 instruction manual.
b. Press either the OPERATE button or use a transmitter to operate the opener.

# Battery Back Up Installation

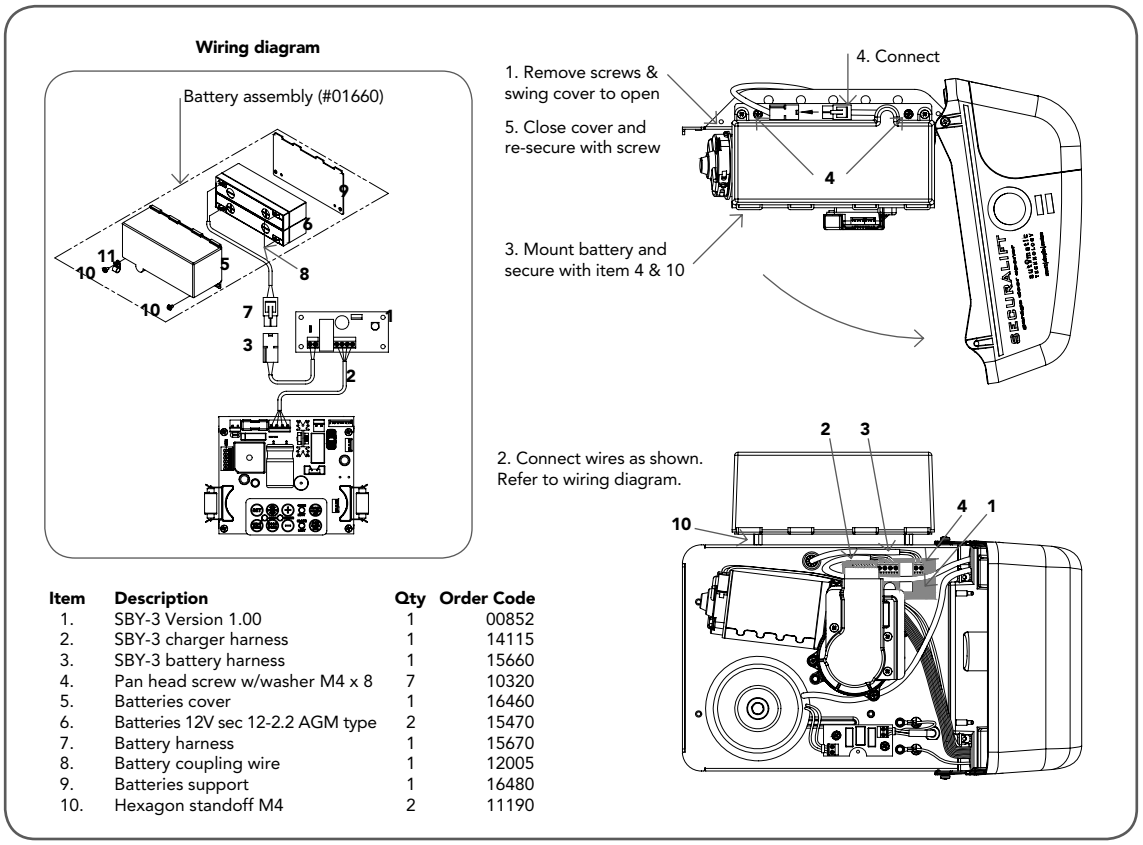

Wiring diagram
Battery assembly (#01660)
1. Remove screws & swing cover to open
5. Close cover and re-secure with screw
3. Mount battery and secure with item 4 & 10
4. Connect
2. Connect wires as shown. Refer to wiring diagram.

fig 46

| Item | Description | Qty | Order Code |
|---|---|---|---|
| 1. | SBY-3 Version 1.00 | 1 | 00852 |
| 2. | SBY-3 charger harness | 1 | 14115 |
| 3. | SBY-3 battery harness | 1 | 15660 |
| 4. | Pan head screw w/washer M4 x 8 | 7 | 10320 |
| 5. | Batteries cover | 1 | 16460 |
| 6. | Batteries 12V sec 12-2.2 AGM type | 2 | 15470 |
| 7. | Battery harness | 1 | 15670 |
| 8. | Battery coupling wire | 1 | 12005 |
| 9. | Batteries support | 1 | 16480 |
| 10. | Hexagon standoff M4 | 2 | 11190 |

## Step 25.1 - Connect the Battery Back Up Kit

a. Disconnect power to the opener.
b. Remove screws and swing open the cover **(Fig 46).**
c. Mount battery pack and secure with item 4 and 10.
d. Mount the SBY-3 Charger Board on three hex spacers pre mounted on base and secure with three (3) M4 x 8 screws.
e. Feed the 2-wire battery harness through the grommet on the base plate and connect to SBY-3.
f. Feed charger harness from SBY-3 to the control board and plug into the 4 pin connector marked "SBY-3" onto the control board.

**WARNING:** After Step 25.1(g) the opener may become active (even when power is off). This is a result of a residual charge in the batteries.

g. Connect battery harnesses item 3 and 7 together **(Fig 46).**
h. Reconnect power.

## Step 25.2 - Testing Battery Back Up

a. Press either the OPERATE button or transmitter to test the opener.
b. Whilst door is in motion disconnect mains power the door should continue to operate as normal.

**NOTE:** Wait for the door to complete its travel.

c. Press the OPERATE button or transmitter to activate the door.
d. Whilst door is in motion re-connect power. The door should complete the cycle as normal.

## Step 25.3 - Troubleshooting

If door stops or moves very slowly under battery power, the batteries may be weak or have no charge. Connect mains power and allow the batteries to charge. This may take 24 - 48 hours to reach maximum charge capacity.

# Final Set Up

fig 47

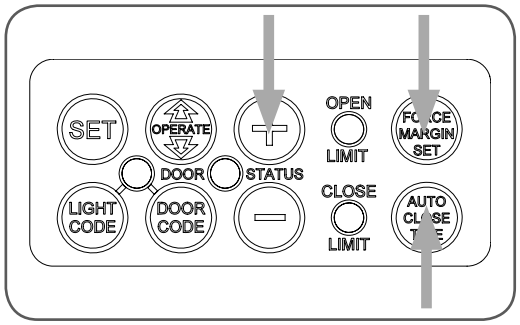



fig 48

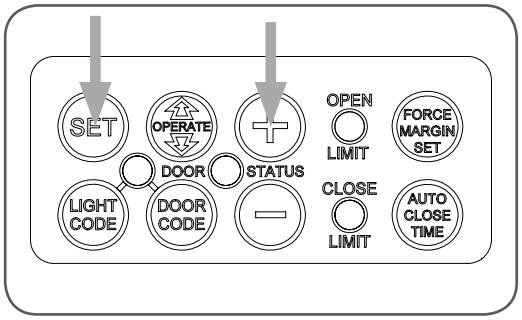



fig 49

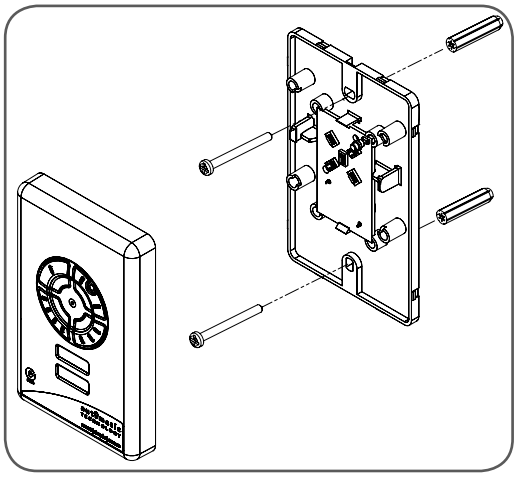
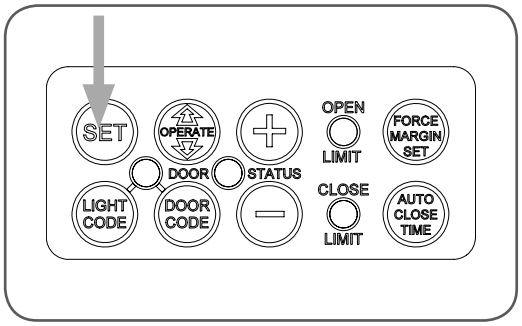


fig 50




### Step 26 - Setting of Courtesy Light Time

The preset courtesy light time is three minutes. This time can be changed by the following:

a. Press and hold both the AUTO CLOSE TIME and FORCE MARGIN SET buttons **(Fig. 47).**
b. While holding in these buttons, press the OPEN button - each press will add 10 seconds to the light time.
c. To decrease the time, follow Step 16(a) and press the CLOSE button - each press will deduct 10 seconds from the light time.
d. To recall the factory set light time press and hold together the AUTO CLOSE TIME button, the FORCE MARGIN SET button and the SET button for 2 seconds.

### Step 27 - Setting the Pet Mode position

The default Pet Mode height can be changed as follows:

a. Make sure the door is closed, then press and hold the OPEN button for six (6) seconds **(Fig. 48)**, until you hear three beeps and the OPEN and CLOSE LEDs flash rapidly.
b. Press the OPEN or CLOSE button to move the door to the desired pet mode open position.
c. Press the SET button to record the new position.

When activated, Pet Mode drives the door to the preset position from either above or below. Pet Mode's active status is indicated by both the OPEN and CLOSE LIMIT LEDs being illuminated. If a Pet Mode button is pressed while the door is moving the door will stop. If a Pet Mode button is pressed when the door is in the Pet position, then the door will close.

### Step 28 - Installing the Wall Mounted Transmitter (Optional)

a. Remove the faceplate from the transmitter.
b. Affix the baseplate in a convenient wall location that is out of reach of children and convenient to the customer **(Fig 49).** Make sure the door is visible from this location.
c. Replace the faceplate.
d. To code the transmitter, see Steps 10.1 through 10.4 on page 19.

### Step 29 - Reset all Factory Defaults

a. Turn power to opener off.
b. Press and hold the SET Button **(Fig 50).**
c. Turn power on while holding the SET button. Continue to hold until all LEDs are off.
   » This will not erase transmitter codes stored in memory.

# Default Settings & Specifications

### Factory default settings

| | Default | Step | Maximum |
|---|---|---|---|
| Maximum motor run time | 25 Secs. | - | - |
| Courtesy light time | 3 Mins. | 10 Secs. | 4 Mins. |
| Obstruction force margin | 8 | 1 | 20 |
| Auto close time | 0 Secs | 1 Sec. | 4 Mins. |

### Technical specifications

| | |
|---|---|
| Power supply | 230V - 240V AC 50Hz |
| Transformer rating | 24V DC |
| Standby power | 2.2 Watts |
| Motor power | 100 Watts |
| Motor type | 24V DC permanent magnet |
| Shuttle travel distance in the C-Rail | 2.8m approx (standard) |
| Maximum shuttle travel distance in the C-Rail | 5m (with extended C-Rail) |
| Maximum door opening: Width:<br>Height:<br>Weight: | 5500mm (16.5m$^2$)<br>3000mm<br>100 kg |
| Minimum Clearance<br>*(Bottom of C-Rail to highest point of door travel)* | 25mm |
| Short term peak force | 800N (80kg) |
| Lift force | 500N (50kg) |
| Nominal force | 150N (15kg) |
| Receiver type | UHF 433.92 MHz AM Receiver |
| Receiver code storage capacity | 24 x 4 button transmitter codes |
| Transmitter frequency | ~= to 433.92 MHz |
| Coding type | Multi-frequency Code hopping |
| Number of code combinations | Over 4.29 billion random codes |
| Code generation | Non-linear encryption algorithm |
| Transmitter battery | A23 Alkaline 12 Volts |
| Courtesy light | Festoon style lamp |
| Controller fuse | 10A slow blow |

**NOTE:** Intermittent operations may occur in areas which experience very strong winds. The strong wind puts extra pressure on the door and tracks which may in turn trigger the safety obstruction detection system intermittently.

# Parameters

### Door Status Indicators

| Door Opener State | OPEN LED (Green) | CLOSE LED (Red) | Beeper |
|---|---|---|---|
| Open | On | | |
| Close | | On | |
| Opening | Flashing | | |
| Closing | | Flashing | |
| Door travel stopped | Flashing | Flashing | |
| Door obstructed when opening | Flashing | | |
| Door obstructed when closing | | Flashing | Beeps as door moves |
| Opener overloaded | Alternating flashes | Alternating flashes | |
| Door in open position with Auto-Close mode selected | One second flashes | | |
| Pet Mode Engaged | On | On | |
| Mains power interrupted | Rapid flashes | | |

# Parameters

**Button Functions**

| Buttons | Function |
|---|---|
| OPERATE | Opens/Stops/Closes the door |
| DOOR CODE | Codes a transmitter button for operate function |
| LIGHT CODE | Codes a transmitter button for light function |
| DOOR CODE & CLOSE | Codes a transmitter button for pet mode |
| LIGHT CODE & CLOSE | Codes a transmitter button for vacation function |
| FORCE MARGIN SET & OPEN | Increases the obstruction force margin setting |
| FORCE MARGIN SET & CLOSE | Decreases the obstruction force margin setting |
| FORCE MARGIN SET (then) SET | Resets the factory default force margin settings |
| AUTO CLOSE TIME (then) OPEN | Increases the auto close delay time |
| AUTO CLOSE TIME (then) CLOSE | Decreases the auto close delay time |
| AUTO CLOSE TIME (then) SET | Resets the factory default auto close delay time |
| FORCE MARGIN SET & AUTO CLOSE TIME (then) OPEN | Each press of the PLUS (+) button increases the light time by 10 secs. |
| FORCE MARGIN SET & AUTO CLOSE TIME (then) CLOSE | Each press of the MINUS (-) button decreases the light time by 10 secs. |
| FORCE MARGIN SET & AUTO CLOSE TIME (then) SET | Reloads the factory default light time |
| CLOSE (for 6 secs.) | Clears the door limits set positions. Limits then need to be reset |
| SET & CLOSE (for 2 secs.) | Enters pet (pedestrian) position mode |
| SET (then power on) & hold until all LEDs are off | Deletes control parameters excluding transmitter storage memory |
| DOOR CODE (then power on) & hold until all LEDs are off | Deletes all transmitter storage memory |
| SET & DOOR CODE (the power on) and hold until all LEDs are off | Deletes all control parameters and transmitter storage memory. |
| SET | Re-initialises the Opener to re-calculate force margin |

# Troubleshooting guide

| Symptom | Possible cause | Remedy |
|---|---|---|
| Door will not operate | Mains power not switched on | Switch on mains power |
| | Door is obstructed | Remove obstruction |
| | Door is locked or motor jammed | Unlock door or remove jam |
| | Door tracks/hardware damaged | Door requires service/repair by qualified technician |
| Door starts to close but automatically reverses to open position | Adverse weather conditions (wind or cold) causing door to stiffen and become tight in the tracks | Increase force margin setting. See Step 18 on page 20 |
| | Possible obstruction in the doorway | Remove obstruction |
| Gate operates from drive unit (operate) button but not from transmitter.*<br>*See note | Transmitter code not stored in memory | Code transmitter into opener's memory. Refer Step 19.1 on page 21 |
| | Flat battery | Replace battery |
| Door will not close fully | Door limits position need to be reset | Reset limits positions. Refer Step 16.3 on page 18 |
| Door will not open fully | Door limits position need to be reset | Reset limits positions. Refer Step 16.3 on page 18 |
| Courtesy light not working | Faulty light | Replace lamp |
| Auto close not working | PE Beam or wiring faulty | Repair P.E. Beam or replace wiring |
| | PE Beam not aligned correctly | Re-align optics. See P.E. instructions |
| | PE Beam is obstructed | Remove obstruction from the path of P.E. Beam |
| | Door obstructed when closing | Remove obstruction |
| | Auto close time not set | See Step 23 on page 23 |

**PLEASE NOTE:**
Some areas may be prone to excessive radio interference brought on by devices such as cordless telephones, wireless stereo headphones and baby monitors. It is possible that these devices could cause a degree of interference such as to greatly reduce the range of the transmitter. In such an instance please contact your ATA dealer for an alternative frequency replacement kit. As this is not a warrantable situation but an environmental issue charges may apply for the changeover.

# Maintenance

## Maintenance

Whilst your opener does not require any periodic maintenance, the door that it is fitted to does. Your garage door is a large, heavy, moving object and should be tested regularly to ensure it is in good condition. A poorly maintained door could cause fatal or serious injuries or serious damage to property.

To ensure a long and trouble free life for your opener the following is recommended:

## Monthly

- Disengage the opener and manually operate the door: The door must be smooth to operate by hand. An operating force on the bottom rail should not exceed 150N (15kg) force.
- Each month check that the opener reverses when the door contacts a 40mm high object placed on the floor (AS3350).
-

**NOTE:** If the door does not operate smoothly, call your installer.

## Yearly

Automatic Technology suggests you contact your installer to perform an annual door service.

**CAUTION:** Frequently examine door, particularly cables, springs and mountings for signs of wear, damage or imbalance. Do not use if repair or adjustment is needed since a fault in the installation or an incorrectly balanced door may cause injury. (AS3350)

Adjustments should only be carried out by experienced persons, as this function can be dangerous if not performed under strict safety procedures.

**WARNING!** Failure to maintain your garage door may void the warranty on your garage door opener.

## Service Record

Record any maintenance in the following table to assist in any warranty service.

| Date | Service by | Signature | Invoice No. | Amount |
|---|---|---|---|---|
| | | | | |
| | | | | |
| | | | | |
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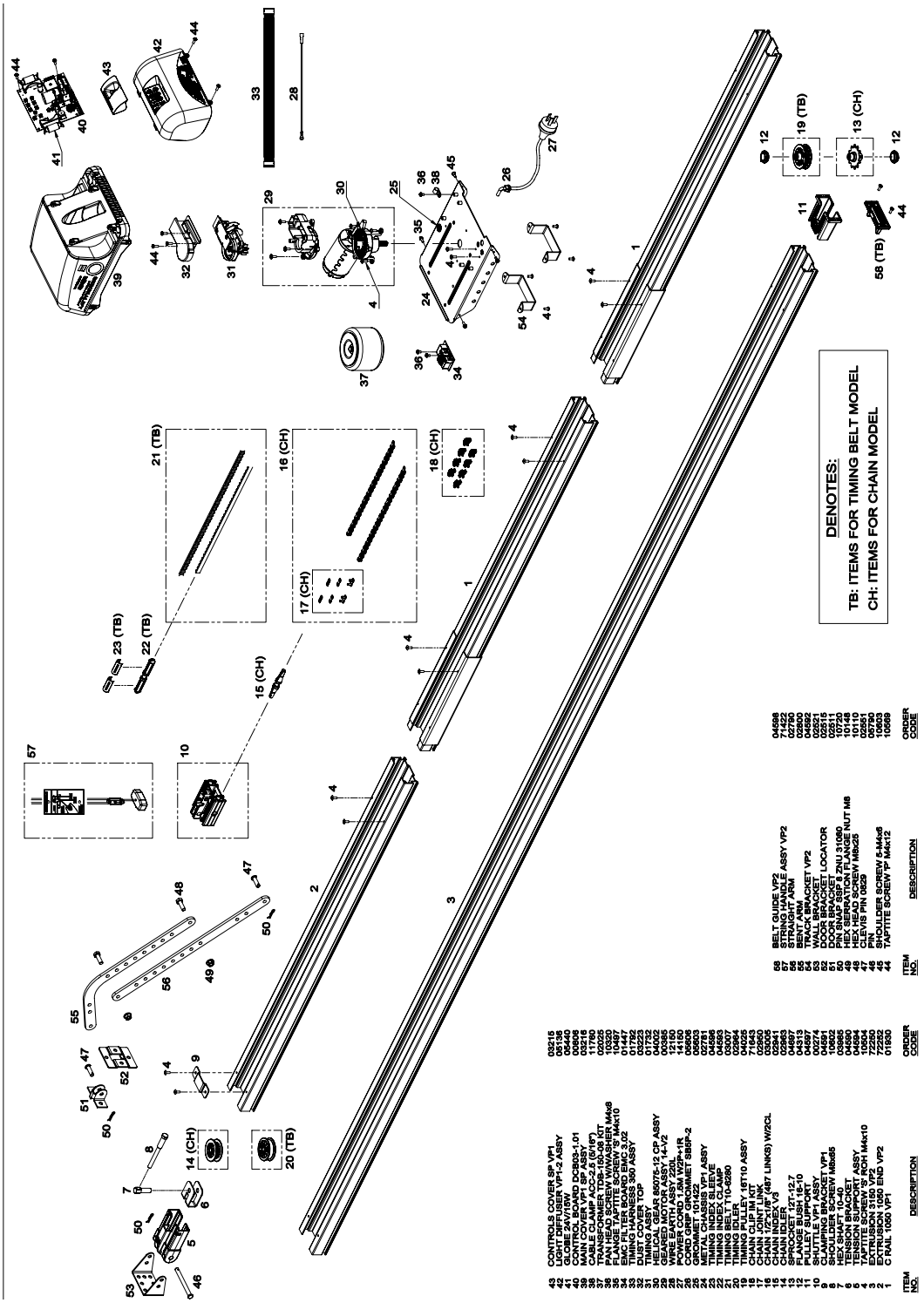
# Parts Listing




| ITEM NO. | DESCRIPTION | ORDER CODE |
|---|---|---|
| 43 | CONTROLS COVER SP VP1 | 03215 |
| 42 | LIGHT DIFFUSER VP1-2 ASSY | 09136 |
| 41 | GLOBE 24 V/15W | 04440 |
| 40 | CONTROL BOARD DCB03-1.01 | 04458 |
| 39 | MAIN COVER VP1 SP ASSY | 03216 |
| 38 | CABLE CLAMP ACC-2.5 (6/16") | 11780 |
| 36 | TTB SCREW M5x8 SEMS T25 SS | 07025 |
| 35 | PAN HEAD SCREW W/WASHER M4x8 | 10320 |
| 34 | FLANGE TAPTITE SCREW 'S' M4x10 | 10447 |
| 33 | EDGE TYPE TUBE 5MC-102 | 01792 |
| 32 | TIMING HARNESS 300 ASSY | 01223 |
| 31 | DUST COVER TOP | 01722 |
| 30 | TIMING MOTOR ASSY | 04002 |
| 29 | HELICAL GEAR 80275-12 CP ASSY | 03185 |
| 28 | GEARED MOTOR ASSY 14-V2 | 13180 |
| 27 | POWER CORD 1.8M W2P+IR | 14100 |
| 26 | GROMMET 01422MMET SBBP-2 | 06803 |
| 25 | METAL CHASSIS VP1 ASSY | 02781 |
| 24 | TIMING BELT 110-4290 | 04583 |
| 23 | TIMING INDEX CLAMP | 03007 |
| 22 | TIMING BELT 110-4290 | 04026 |
| 21 | TIMING PULLEY 16T10 ASSY | 71643 |
| 20 | CHAIN CLIP IM KIT | 03005 |
| 19 | CHAIN 1/2"x1/8" (487 LINKS) W/2CL | 03941 |
| 18 | CHAIN INDEX V3 | 04469 |
| 17 | SPROCKET 12T-12.7 | 04497 |
| 16 | FLANGE BUSH 16-10 | 04313 |
| 15 | IDLER SHAFT 10-40 | 04457 |
| 14 | SHUTTLE VP1 ASSY | 02274 |
| 13 | CLAMPING BRACKET VP1 | 04481 |
| 12 | SCREW M5x8 SEMS T25 SS | 07025 |
| 11 | TENSION BRACKET ASSY | 04580 |
| 10 | TAPTITE SCREW 'S' ROH M4x10 | 10604 |
| 9 | EXTRUSION 3150 VP2 | 72250 |
| 8 | TTB SCREW M5x12 | 07027 |
| 7 | C RAIL 1050 VP1 | 01930 |

| ITEM NO. | DESCRIPTION | ORDER CODE |
|---|---|---|
| 58 | BELT GUIDE VP2 | 04498 |
| 57 | SLIDING HANDLE ASSY VP2 | 04452 |
| 56 | STRAIGHT ARM | 02790 |
| 55 | BENT ARM | 02800 |
| 54 | TTB BRACKET VP2 | 04459 |
| 53 | WALL BRACKET | 02521 |
| 52 | DOOR BRACKET LOCATOR | 02815 |
| 51 | DOOR BRACKET | 02811 |
| 50 | PIN SNAP SBP 3 ZINU 31000 | 10720 |
| 49 | HEX HEAD SCREW M6x20 | 10148 |
| 48 | HEX HEAD STORM NUT M6 | 10110 |
| 47 | CLEVIS PIN 0629 | 02851 |
| 46 | PIVOT | 10753 |
| 45 | SHOULDER SCREW 5-M4x6 | 10629 |
| 44 | TAPTITE SCREW 'P' M4x12 | 10599 |

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# Warranty and Exclusion of Liability

1. This warranty is an addition to any non-excludable conditions or warranties that are implied into this contract by relevant statute, including the Trade Practices Act 1974 (Cwth).
2. Subject to all of the matters set out below, Automatic Technology Australia Pty Ltd ("ATA") warrants:
   (a) overhead door opener drive units for twenty four (24) months or 5000 cycles, whichever occurs first; and
   (b) all components and accessories for twelve (12) months, from the date of purchase (specified in the sales docket receipt) as free of any defects in material and workmanship.
3. This warranty applies only where the purchaser:
   (a) immediately notifies ATA or the retailer of the alleged defect;
   (b) returns the product to the retailer; and
   (c) presents the relevant sales docket and this warranty document to the retailer to confirm the date of purchase.
4. Except for this warranty, ATA gives no warranties of any kind whatsoever (whether express or implied), in relation to the product, and all warranties of whatsoever kind relating to the product are, to the extent permissible by statute, hereby excluded.
5. To the extent permissible by statute, ATA disclaims any liability of whatsoever nature in respect of any claim or demand for loss or damage which arises out of:
   (a) accidental damage to or normal wear and tear to the product or to the product's components;
   (b) any cost relating to damage resulting from wear and tear;
   (c) blown fuses, loss or damage caused by electrical surges, power surges or power spikes;
   (d) loss or damage due to theft, fire, flood, rain, water, lightning, storms or any other acts of God;
   (e) maximum continuous operating time exceeding one (1) minute in ten (10);
   (f) maximum operating force exceeding *20kg (200N) when moving the door manually to the open or closed position;
   (g) door surface area and/or weight exceeding 16.5$m^2$ and 100kg respectively;
   (h) door not in safe and correct working order and condition;
   (i) evidence of unauthorised repairs;
   (j) any cost relating to damage caused by misuse, negligence or failure to maintain the equipment in a proper working order as per clauses (d) through (h);
   (k) installation, adjustment or use which is not in accordance with the instructions set out in installation instruction manual
   (l) attempted or complete modification or repairs to the product carried out by a person who is not authorised or has not been trained by ATA to carry out such modification or repairs;
   (m) faulty or unsuitable wiring of structure to which the product is fixed or connected;
   (n) radio (including citizen band transmission) or any electrical interference;
   (o) damage caused by insects;
   (p) loss or damage to any property whatsoever or any loss or expense whatsoever resulting or arising there from or any consequential loss;
   (q) any cost or expense arising due to manufacturer recall of any product;
   (r) any cost or expense due to negligence of the approved service provider;
   (s) installation of a residential garage door opener in a commercial or industrial situation or a non-single residential dwelling.
6. ATA's liability under this warranty is limited, at ATA's absolute option, to replacing or repairing the product which ATA, in its unfettered opinion, considers to be defective either in material and/or workmanship or to credit the dealer with the price at which the product was purchased by the dealer.
7. This warranty does not extend to cover labour for installation.
8. This warranty is limited to Return-to-Base (RTB) repair and does not cover labour for on-site attendance.
9. This warranty is void if the Product is not returned to the manufacturer in original or suitably secure packaging.
10. This warranty is only applicable for repairs to the product carried out within Australia.
11. This warranty does not cover consumable items including globes, batteries and fuses.
12. This warranty is not transferable.
13. Where the Product is retailed by any person other than ATA, except for the warranty set out above, such person has no authority from ATA to give any warranty or guarantee on ATA's behalf in addition to the warranty set out above.

**NOTES:**

1. One (1) cycle = one (1) open and one (1) close action of the door or gate.
2. This warranty is to be read in conjunction with the owner's copy of the installation instruction manual.
3 *The door should be balanced in such a way that the user manually is able to open or close the door without using force not greater than 150N (15kg ) although a greater force may be required for the start of the movement.

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